

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018593

A: CLASSIFICATION OF SUBJECT MATTER
Int.C1⁷ B23K26/04, 26/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.C1⁷ B23K26/04, 26/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	WO 02/22301 A1 (Hamamatsu Photonics Kabushiki Kaisha), 21 March, 2002 (21.03.02), Page 51, line 3 to page 54, line 13; page 99, line 6 to page 103, line 24; Figs. 14 to 15, 89-95 & EP 1338371 A1	1-4, 7, 10-13, <u>16</u> 5-6, 8-9, 14-15, 17-18
Y A	JP 4-244910 A (NEC Corp.), 01 September, 1992 (01.09.92), Column 1, line 22 to column 2, line 11; Fig. 3 (Family: none)	1-4, 7, 10-13, <u>16</u> 5-6, 8-9, 14-15, 17-18

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search
16 March, 2005 (16.03.05)Date of mailing of the international search report
05 April, 2005 (05.04.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E,A	JP 2004-188422 A (Hamamatsu Photonics Kabushiki Kaisha), 08 July, 2004 (08.07.04), Full text; all drawings (Family: none)	1-14
E,A	JP 2004-337902 A (Hamamatsu Photonics Kabushiki Kaisha), 02 December, 2004 (02.12.04), Full text; all drawings (Family: none)	1-14
E,A	JP 2004-337903 A (Hamamatsu Photonics Kabushiki Kaisha), 02 December, 2004 (02.12.04), Full text; all drawings (Family: none)	1-14